SEA SHELLS SANCTUARY SETI SEA BBALL!

(((THIS COULD BE BIGGER THAN SKYDIVING)))

Here's One Dolphin Who Doesn't Mind A Net

The clever dolphin clearly has mastered the art of basketball and scores point after point flipping the ball up through the hoop with his nose. Amateur photographer Sergio Longhi, 44, captured the athletic animal's incredible sporting feat at a sanctuary in Cuba.

dailymail.co.uk : tinyurl.com/y5o8uxlh

Varadero, Cuba Slam Dunk!
tinyurl.com/y2upqgy5

Dolphins and Sea Lions in Lithuania
tinyurl.com/y3ak7a9e

Dolphins, Sea Lions, and Harlem Globetrotters
tinyurl.com/y2bupl5b

Amazing Ball Throwing
tinyurl.com/y6a6yy4d

Profit? How about Professionally Fit!

America, for its part, currently trains around 75 dolphins as well as sea lions under the US Navy Marine Mammal Program, based in San Diego, California. The US Navy spent $14 million in 2007 on marine mammal research and training programmes. This century is set to reunite people and cetaceans universally as language barriers break down with friendships forged in pastimes, both on the job and recreationally. **forces.net : tinyurl.com/y6y75doh**

Dolphin And Whale Sanctuaries and Estuaries

Ownership on individuals leads to the slaughter when an owner profits solely on meat, while ownership to the franchise grants rights to publicity and protects liberty. Free sanctuaries where choice belongs with the athlete creates an environment where special people thrive.

www.virgin.com/richard-branson/new-sea-sanctuary-dolphins

Defining the Dolphin Sanctuary
sanctuary.aqua.org : tinyurl.com/yxohv36o

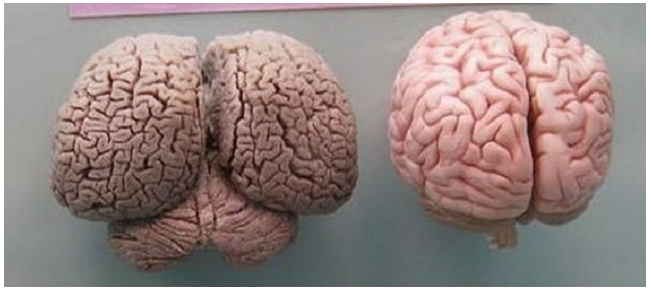
Building a Rehabilitation Sanctuary
whalesanctuaryproject.org

Two Belugas Arrive in Iceland
npr.org : tinyurl.com/y5wtacej

Estuary in Quebec, Largest in the World
en.wikipedia.org : tinyurl.com/y3ezakv9

Nova Scotia Whale Retirement Home
thestar.com : tinyurl.com/y6q9eoyp

El Vizcaíno Biosphere : Market Research
tandfonline.com : tinyurl.com/y28hwgug



Is a Dolphin a Person? Bottlenose dolphins have bigger brains than humans (1600 grams versus 1300 grams), and they have a brain-to-body-weight ratio greater than great apes do (but lower than humans). "They are the second most encephalized beings on the planet," says Marino. **www.sciencemag.org/news/2010/02/dolphin-person**

Quantitative Relationships In Delphinid Neocortex We found that the long-finned pilot [Delphinid] neocortex has approximately 37.2 billion neurons, which is almost twice as many as humans, and 127 billion glial cells. **www.ncbi.nlm.nih.gov/pmc/articles/PMC4244864/**

GLOBE TROTTERS GOT NOTHING ON DOLPHINS!

Most people think dolphins want nothing to do with the human species, and that trainers are cruel slave masters. Entire theme parks have been shut down almost overnight because someone showed up expecting pets to give them a job. With the free market comes higher skilled people, and in Jerry Mac Guire the movie, we all learn that the talent is the Boss. Most people think a dolphin spitting out it's meal is hilarious, but it's a sure sign that the trainer is nothing more than stupified by policy. Open sanctuaries require the trainer to be trained by the dolphin, as they are no longer bound to return to someone who treats them poorly.

HOW INTELLIGENT ARE WHALES AND DOLPHINS?

It has been said that play is a great expression of intelligence, and whales and dolphins are gold medallists in this field! Pods of dolphins leap, tumble, back flip and spin together; and their behaviour is pure social enjoyment. **us.whales.org : tinyurl.com/yyhk9jpe**

Rules to the Game. It's up in the air!

Legal Gliding!
Prone to intercept so totally okay!
youtu.be/TQxauvM84uE?t=51

Travelling 😟 - This Isn't Rugby!
youtu.be/tzbs4Xk5b8s

Dolphin Hydrophone Recordings in CymaScopes We observed the formation of transient wave patterns in video frames that clearly matched the shapes of the objects on which the dolphin echolocation, including a closed cell foam cube, a PVC cross, a plastic flower pot, and a human subject. **omicsonline.org tinyurl.com/y4sq8pvv**

Cymatics and more @ asmrstudio.com/cymatics

Ukraine Military Dolphins Commandeered By Russia Went On Hunger Strike

Dolphins are loyal to their favorite people and they will hunger strike when they feel things aren't right. Their collective intelligence communicates righteousness among them all and they will die by hunger strike to send a message worldwide. **theguardian.com : tinyurl.com/y4xaasg5**

What Do Dolphins Eat? Somedays Squid is a favorite, and others it's mackerel. The Echo Location Visualization and Interface System (ELVIS) allows Dolphins to make choices and answer questions. Luna the young Dolphin grasped the concept quickest and is eager to choose her own meals and please her trainers. **youtube.com : tinyurl.com/oz2vs55**

Salmon Farms are Happy! Normally big events start with small vendors. Hot dogs! Get your ballpark hotdogs here! Beat the gold rush with salmon vending to tourists to feed dolphins and whales. What will it cost to get cetaceans to show themselves in the free market?

'Russian Spy' Whale Defected to Norway

"He's so comfortable with people that when you call him he comes right up to you," Linn Sæther, a resident of Tufjord on the Arctic island of Rolvsøya, told Norwegian public broadcaster NRK, which has launched a poll to find a name for the mammal. Sæther said locals had been able to pet the whale, which was found at sea by Norwegian fishermen on Sunday wearing a harness fitted with a mount – apparently for a camera or weapon – and stamped with the words: "Equipment St Petersburg." **theguardian.com : tinyurl.com/y2nvgdsx**

Sad Dolphin Wants to Play Basketball!!!!

There is nothing sadder than seeing a dolphin in captivity without others to play fast paced catch with. So here's a Dolphin getting it started. **www.youtube.com/watch?v=6SZmCLho-q4**

Wild	Trained
Dusky Dolphin Acrobatics tinyurl.com/y3eh9c8q	**Dolphin Acrobatics** tinyurl.com/y3hvtpa6
Puerto Aventuras, Mexico tinyurl.com/y6zsfuuq	**Dolphin SeaWorld Australia** tinyurl.com/y62td38s

Wild vs Trained - IT DOESN'T MATTER - They All Got The Right Stuff

Cleaning up the Great Pacific Ocean
The ocean is big, conventional means are unrealistic. These passive systems are cheaper, and faster. This is how it works: In May 2018, a 120-meter section of the system successfully passed a tow test in the Pacific Ocean, being subjected to 5 meters waves. a full-scale cleanup system roll-out (a fleet approximately 60 systems large) could clean half the Great Pacific in five years.
theoceancleanup.com/technology/

The Whale Innovation Challenge
Developed in partnership with Nesta, aims to develop new solutions towards real-time detection whale avoidance. The goal is better whale population understanding over a broad time scale and distance. **impact.canada.ca/en/challenges/whale-challenge**

Microbead Removal from Wastewater Using Electrocoagulation
Effective method to removing microplastic contaminants from wastewater streams.
pubs.acs.org : tinyurl.com/y49n5a2k

A Revolutionary Cymatics Application - 528hz Crystal Dolphin Hydrosonics
A simple hydro-sonic technique similar to tibetian singing bowls used in hydrotherapy.
youtube.com/watch?v=x5idNZvDZic

Jul 3, 18 : 8 Million Babies Born From IVF In-Vitro Fertilization

More than three million children were born with IVF by Feb 23, 2010. 91% of women can get pregnant at age 30 without health worries, and now designer babies are on the horizon with rumors abounding a Chinese doctor claiming he helped create two babies with modified genes.

interestingengineering.com : tinyurl.com/qlalcxk

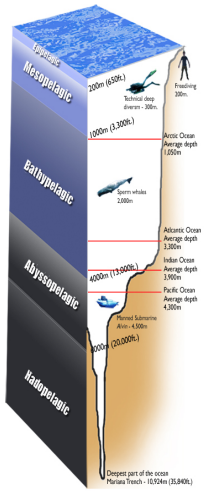
The Ocean Clean Up Interceptors

Autonomous barges over 13 meters long and 7 meters wide. Interceptor™ 001 is already cleaning in Indonesia, and Interceptor™ 002 is cleaning in Malaysia. Each can extract 50,000 kilograms before unloading, 100% solar powered. **youtu.be/P6bHhCNj6Fg**

4Ocean in Florida over 8 million pounds removed since 2017. Join the 4Ocean Outreach Team and help make sure our next cleanup is an exciting and educational experience. **4ocean.com/events/**

Mr.Trash Collecting Wheel in Baltimore Mr. Trash Wheel, officially called the Inner Harbor Water Wheel, is a vessel that removes trash from the Jones Falls river as it empties into the Inner Harbor in Baltimore, Maryland. **wired.com : preview.tinyurl.com**

Canada's Space Agency : Arms and Dextre This 17-metre-long robotic arm was extensively involved in the assembly of the orbiting laboratory. 1,497kg heavy, it handles 116,000 kg or 8 school busses at a time. Built in Brampton, training happens in Quebec. **asc-csa.gc.ca : tinyurl.com/vt9z6zv**



Untamedscience.com
tinyurl.com/uz5gn4e

Underwater Volcanoes by the Thousands, Possibly Millions, Remain Undiscovered Using seismometers, multibeam sonar, 3.5 km deep, 91 new volcanoes under Antarctica were found. **sciencealert.com : tinyurl.com/ullpqjx**

'Astonishing' Blue Whale Numbers, South Georgia Their 23-day survey counted 55 animals. To go from basically nothing to 55 in one year is astonishing," he told BBC News. **bbc.com : tinyurl.com/utauhqx**

SnotBot Tracks Whale Health The drone is a modified DJI Inspire 2. Petri dishes aboard SnotBot collect whale snot for analysis. Ocean Alliance is dedicated to whales and oceans. **spectrum.ieee.org : tinyurl.com/vvmou93**

Canada's DeepGreen Aims to Mine the SeaFloor "Think of them like a pearl," The company plans to collect the fist-sized balls called nodules with remote-controlled harvesting vehicles. **theglobeandmail.com : tinyurl.com/vdbg7xx**

Marine biologists have, for the first time, found a whale skeleton on the ocean floor near Antarctica, giving new insights into life in the sea depths. **phys.org : tinyurl.com/vtfdkdl**

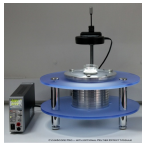
Quantum Phased Array Radar and Vanta Black : Stealth Tech So dark BMW has a new car painted quantum black. Nobody saw it coming. Quantum Radar is here to stay, in fact, it's so prevalent, you can pick up quantum radar cable at Walmart. **walmart.ca : tinyurl.com/upvyxk3**

Need to Know More? www.asmrstudio.com DrDoubleDragon@gmail.com

Humpback Whale Population on the Rise After Near Miss with Extinction

A new study finds that the western South Atlantic humpback population has grown to 25,000 whales. The 20th century saw the western South Atlantic population of humpbacks diminish to only 450 whales **www.sciencedaily.com/releases/2019/10/191021161128.htm**

Whale Wars Addy Gil, Smashed by Whaling Ships : Bad Move Batman Sank on 7 Jan 2010, a carbon-fiber trimaran that set a circumnavigation record, before being converted into an anti-whaling ship **csmonitor.com : tinyurl.com/tj9n38j**



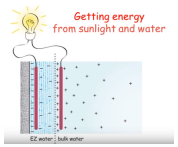
Dolphin Vibrations from Water to Scope Cymascope - High definition imprints deciphering dolphin speak, "CymaGlyphs" reveal detailed structures within sounds. Image right shows a dolphin projection translated cymatically. **science20.com : tinyurl.com/uchlqs8**

Biofeedback in Medicine: Who, When, Why and How? Biofeedback reconnects the subconscious, resulting in enhanced intra-sensory perception through practice. Association for Applied Psychophysiology and Biofeedback, and the International Society for Neuronal Regulation outlined evidence-based clinical efficacy criteria in psychophysiological interventions. Recognizing efficacious biofeedback Therapies for Anxiety, Chronic pain, ADHD, Constipation, Epilepsy, Headache, Hypertension, Motion sickness, Raynaud's disease and temporomandibular disorder They found Eating disorders, Immune function, Spinal cord injury, and Syncope to be "Not empirically supported". In 2007, Americans spent nearly $34 billion on (complementary and alternative medicine) CAM practitioners and products.

isnr.org **ncbi.nlm.nih.gov : tinyurl.com/yx8dkz2g** **aapb.org**

Quantum Healing Institute : Hamilton Quantum Healing Institute is located at 881 King Street West in Hamilton. Micro-Light Therapy, Detoxification, Nutritional Balancing, Homeopathy, Lifestyle Modification, Weight Loss, Addiction Support. A combination of scientific knowledge and traditional healing **thespec.com : tinyurl.com/w9cmqgp**

Flotation and Sensory Deprivation Tanks With over 15 flotation therapy centers popping up in ontario seemingly overnight, this sensory immersion experience is "*Initially terrifying but ultimately profound, it was unlike anything I'd ever experienced before.*" **health.com : tinyurl.com/qwv8fl9**



4th state to water The Fourth Phase of Water: Dr. Gerald Pollack at TEDxGuelphU **youtu.be/i-T7tCMUDXU**

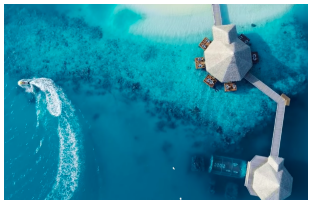
Salt Water Batteries : no toxic chemicals or heavy metals so they are non-explosive, non-flammable and non-corrosive, making them the safest. **ecohome.net : tinyurl.com/svwzlvd**

Luigi Bazzani Born November 8, 1836 in Bologna, Italy. He spent 35 years of his life from approximately 1880 to 1915 documenting Pompeii's ruins after rediscovery in 1748. Some believe the paint was still fresh during his study and others believe it must have been paintings based on photographs taken from the site. **en.wikipedia.org/wiki/Luigi_Bazzani**

Grot, Moscow. Named after the Grotto "picturesque cavern or cave," 1610s, from Italian *grotta*, earlier *cropta*, a corruption of Latin *crypta* "vault, cavern," from Greek *krypte* "hidden place". **etymonline.com/word/grotto** **yandex.com/search/?text=grot+moscow**

Forests Ontario's 50 Million Tree Program is a tree planting program supported by the Government of Canada, corporate sponsors and donors. It provides property owners with financial and technical assistance to increase forest cover on their land for the benefit of the province. +33 million trees planted since 2004. **forestsontario.ca : tinyurl.com/wgx2ny4**

Tree Planting Drones are Firing Seed Missiles to Restore the World's Forests Biocarbon Engineering is working with a nonprofit in Myanmar. Drones plant trees and grasses at abandoned mines in Australia and elsewhere. **fastcompany.com : tinyurl.com/ur9zsm8**



Maldives Underwater Hotel Villa is Officially Open Who wins in a sharks versus orcas battle? Mother nature. Hotel is $200,000 for a 4-nights. **weburbanist.com : tinyurl.com/shdwdof**

Concrete 3D Printed Coral Reef Projects Concrete printers are versatile and build everything from bridges to houses. Prices for such printers are in the tens to thousands. Scientists Are 3D-Printing Coral Reefs to Prevent Extinction. **globalcitizen.org : tinyurl.com/ta647j3**

Modular Artificial Reef Structure or MARS Aug 2018 3D printing cannot fix ocean acidification, bleaching, and other dire threats reefs face, but it can facilitate desperately needed research on reef restoration and resilience. Ecologists have identified some corals that thrive in warm waters and others that partner with unique algae to resist high temperatures. **news.mongabay.com : tinyurl.com/uphabqn**

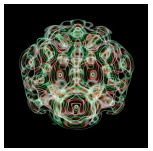
3D Printing Firm WinSun recently completed a massive 1,640-foot-long river protection wall using concrete 3d printers, reducing the need for materials by an estimated 30-60%, saves 50-70% in total construction time, uses 50-80% less labor, and can be up to 50% cheaper. **syfy.com : tinyurl.com/unqrhwj**

The Global 3D Printing in Aerospace Ecosystem will see substantial growth by USD 5.93 billion in 2024 says, AllTheResearch **mathematicexperts.com : tinyurl.com/s432bwu**

'SHEFROL' (sheet flow root level), is a bioreactor which uses the water hyacinth to absorb nutrients, microorganisms and pathogens from water. Sewage from 38 houses is fed into the plant which measures around 9 meters by 2 meters, and has a capacity of 10,000 liters. **ijert.org : tinyurl.com/u6c6l6t**

Plants That Absorb Mercury A tree, the yellow poplar (*Liriodendron tulipifera*), thrives on soil stuffed with enough mercury compounds to shrivel lesser plants. **nature.com : tinyurl.com/ucg7s7a**

Ørsted "Ecosystem and Passive Acoustic Monitoring" "to better protect the North Atlantic right whale during survey, construction and operation phases of their U.S. offshore wind farm portfolio," "The ECO-PAM project will ensure the company can act to solve the global climate crisis, while preserving local ecosystems." **orsted.com/en**



Cymatic Artwork Gledhill started experimenting with standard macro-photography camera gear. He took images of a roughly one-inch-wide, quarter-inch-deep dish of water vibrated by a speaker. Cymatics are seen as early as 1967 by Hans Jenny, a swiss physicist who published *Cymatics: The Study of Wave Phenomena* **businessinsider.com : tinyurl.com/vszzs7c**